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ALIGNMENTS

RESULT 1

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; Publication No. US20030096772A1
; GENERAL INFORMATION:
; APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; APPLICANT: Kristina M. Lemondis
; TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
; FILE REFERENCE: ISPH-0588
; CURRENT APPLICATION NUMBER: US/09/918,026A
; CURRENT FILING DATE: 2001-07-30
; NUMBER OF SEQ ID NOS: 65
; SEQ ID NO 6
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR Probe
US-09-918-026A-6
Query Match 1.6%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1212 CTACGTGTATCAGGATGCGTCGCG 1236
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c 421	12.8	0.8	17	1	US-09-864-785-385	Sequence 385, App	c 494	12.8	0.8	17	1	US-09-817-879-2027	Sequence 2027, App
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c 270	13.4	0.9	17	1	US-09-865-108-6623	Sequence 6623, Ap	c 343	13	0.8	17	1	US-09-864-785-2838	Sequence 2838, Ap
c 271	13.4	0.9	17	1	US-09-866-108-6630	Sequence 6630, Ap	c 344	13	0.8	17	1	US-09-864-785-2839	Sequence 2839, Ap
c 272	13.4	0.9	17	1	US-09-866-108-10675	Sequence 10675, A	c 345	13	0.8	17	1	US-09-825-805-456	Sequence 456, App
c 273	13.4	0.9	17	1	US-09-866-108-10676	Sequence 10676, A	c 346	13	0.8	17	1	US-09-818-875-2786	Sequence 2786, Ap
c 274	13.4	0.9	17	1	US-09-780-533A-287	Sequence 287, App	c 347	13	0.8	17	1	US-09-818-875-2787	Sequence 2787, Ap
c 275	13.4	0.9	17	1	US-09-848-754A-370	Sequence 370, App	c 348	13	0.8	17	1	US-09-780-533A-288	Sequence 288, App
c 276	13.4	0.9	17	1	US-09-848-754A-1340	Sequence 1340, Ap	c 349	13	0.8	17	1	US-09-780-533A-1165	Sequence 1165, Ap
c 277	13.4	0.9	17	1	US-09-848-754A-1551	Sequence 1551, Ap	c 350	13	0.8	17	1	US-09-877-478-1467	Sequence 1467, Ap
c 278	13.4	0.9	17	1	US-09-848-754A-2408	Sequence 2408, Ap	c 351	13	0.8	17	1	US-09-848-754A-1115	Sequence 1115, Ap
c 279	13.4	0.9	17	1	US-09-930-423-5	Sequence 5, Appli	c 352	13	0.8	17	1	US-09-930-423-335	Sequence 335, App
c 280	13.4	0.9	17	1	US-09-930-423-324	Sequence 324, App	c 353	13	0.8	17	1	US-09-930-423-336	Sequence 336, App
c 281	13.4	0.9	17	1	US-09-930-423-325	Sequence 325, App	c 354	13	0.8	17	1	US-09-745-237A-335	Sequence 335, App
c 282	13.4	0.9	17	1	US-09-930-423-334	Sequence 334, App	c 355	13	0.8	17	1	US-09-745-237A-336	Sequence 336, App
c 283	13.4	0.9	17	1	US-09-780-164-137	Sequence 137, App	c 356	13	0.8	17	1	US-10-163-552-728	Sequence 728, App
c 284	13.4	0.9	17	1	US-09-780-164-1043	Sequence 1043, Ap	c 357	13	0.8	17	1	US-10-156-306-5116	Sequence 5116, Ap
c 285	13.4	0.9	17	1	US-09-780-164-1044	Sequence 1044, Ap	c 358	13	0.8	17	1	US-10-156-306-6360	Sequence 6360, Ap
c 286	13.4	0.9	17	1	US-09-864-636A-2493	Sequence 2493, Ap	c 359	13	0.8	17	1	US-10-156-306-7073	Sequence 7073, Ap
c 287	13.4	0.9	17	1	US-09-740-332-1412	Sequence 1412, Ap	c 360	13	0.8	17	1	US-10-156-306-7074	Sequence 7074, Ap
c 288	13.4	0.9	17	1	US-09-745-237A-5	Sequence 5, Appli	c 361	13	0.8	17	1	US-10-339-782-155	Sequence 155, App
c 289	13.4	0.9	17	1	US-09-745-237A-324	Sequence 324, App	c 362	13	0.8	17	1	US-10-209-787-2786	Sequence 2786, Ap
c 290	13.4	0.9	17	1	US-09-745-237A-325	Sequence 325, App	c 363	13	0.8	17	1	US-10-209-787-2787	Sequence 2787, Ap
c 291	13.4	0.9	17	1	US-09-745-237A-334	Sequence 334, App	c 364	13	0.8	17	1	US-10-261-185-2786	Sequence 2786, Ap
c 292	13.4	0.9	17	1	US-09-817-879-1412	Sequence 1412, Ap	c 365	13	0.8	17	1	US-10-261-185-2787	Sequence 2787, Ap
c 293	13.4	0.9	17	1	US-09-864-426A-2493	Sequence 2493, Ap	c 366	13	0.8	17	1	US-10-342-902-1467	Sequence 1467, Ap
c 294	13.4	0.9	17	1	US-10-060-830-135	Sequence 135, App	c 367	13	0.8	17	1	US-10-138-674-1508	Sequence 1508, Ap
c 295	13.4	0.9	17	1	US-10-060-830-136	Sequence 136, App	c 368	13	0.8	17	1	US-10-347-869-17	Sequence 17, Appl
c 296	13.4	0.9	17	1	US-10-060-998-119	Sequence 119, App	c 369	13	0.8	17	1	US-10-287-949A-1508	Sequence 1508, Ap
c 297	13.4	0.9	17	1	US-10-060-998-120	Sequence 120, App	c 370	13	0.8	17	1	US-10-669-841-1467	Sequence 1467, Ap
c 298	13.4	0.9	17	1	US-10-163-552-729	Sequence 729, App	c 371	13	0.8	17	1	US-10-681-074-2786	Sequence 2786, Ap
c 299	13.4	0.9	17	1	US-10-156-306-3771	Sequence 3771, Ap	c 372	13	0.8	17	1	US-10-681-074-2787	Sequence 2787, Ap
c 300	13.4	0.9	17	1	US-10-339-782-45	Sequence 45, Appli	c 373	13	0.8	29	1	US-10-336-638-370	Sequence 370, App
c 301	13.4	0.9	17	1	US-10-084-839-2493	Sequence 2493, Ap	c 374	12.8	0.8	16	1	US-10-241-780-88	Sequence 88, Appl
c 302	13.4	0.9	17	1	US-10-307-005-315	Sequence 315, App	c 375	12.8	0.8	16	1	US-10-231-907-439	Sequence 439, App
c 303	13.4	0.9	17	1	US-10-307-005-316	Sequence 316, App	c 376	12.8	0.8	16	1	US-10-182-230-163	Sequence 163, App
c 304	13.4	0.9	17	1	US-10-307-005-2383	Sequence 2383, Ap	c 377	12.8	0.8	16	1	US-10-407-807-34	Sequence 34, Appl
c 305	13.4	0.9	17	1	US-10-307-005-2384	Sequence 2384, Ap	c 378	12.8	0.8	16	1	US-10-407-807-53	Sequence 53, Appl
c 306	13.4	0.9	17	1	US-10-138-674-7201	Sequence 7201, Ap	c 379	12.8	0.8	16	1	US-10-712-672-1739	Sequence 1739, Ap
c 307	13.4	0.9	17	1	US-10-138-674-7202	Sequence 7202, Ap	c 380	12.8	0.8	16	1	US-10-232-923-2	Sequence 2, Appli
c 308	13.4	0.9	17	1	US-10-138-674-2128	Sequence 2128, Ap	c 381	12.8	0.8	17	1	US-09-866-108-434	Sequence 434, App
c 309	13.4	0.9	17	1	US-10-138-674-2129	Sequence 2129, Ap	c 382	12.8	0.8	17	1	US-09-866-108-435	Sequence 435, App
c 310	13.4	0.9	17	1	US-10-138-674-4653	Sequence 4653, Ap	c 383	12.8	0.8	17	1	US-09-866-108-930	Sequence 930, App
c 311	13.4	0.9	17	1	US-10-138-674-5311	Sequence 5311, Ap	c 384	12.8	0.8	17	1	US-09-866-108-932	Sequence 932, App
c 312	13.4	0.9	17	1	US-10-138-674-7200	Sequence 7200, Ap	c 385	12.8	0.8	17	1	US-09-866-108-1200	Sequence 1200, Ap
c 313	13.4	0.9	17	1	US-10-138-674-7201	Sequence 7201, Ap	c 386	12.8	0.8	17	1	US-09-866-108-1201	Sequence 1201, Ap
c 314	13.4	0.9	17	1	US-10-676-154-100	Sequence 100, App	c 387	12.8	0.8	17	1	US-09-866-108-1416	Sequence 1416, Ap
c 315	13.4	0.9	17	1	US-10-287-949A-949	Sequence 949, App	c 388	12.8	0.8	17	1	US-09-866-108-1417	Sequence 1417, Ap
c 316	13.4	0.9	17	1	US-10-287-949A-2128	Sequence 2128, Ap	c 389	12.8	0.8	17	1	US-09-866-108-1535	Sequence 1535, Ap
c 317	13.4	0.9	17	1	US-10-287-949A-2129	Sequence 2129, Ap	c 390	12.8	0.8	17	1	US-09-866-108-1537	Sequence 1537, Ap
c 318	13.4	0.9	17	1	US-10-287-949A-4663	Sequence 4663, Ap	c 391	12.8	0.8	17	1	US-09-866-108-1646	Sequence 1646, Ap
c 319	13.4	0.9	17	1	US-10-287-949A-5311	Sequence 5311, Ap	c 392	12.8	0.8	17	1	US-09-866-108-1648	Sequence 1648, Ap
c 320	13.4	0.9	17	1	US-10-287-949A-7200	Sequence 7200, Ap	c 393	12.8	0.8	17	1	US-09-866-108-2289	Sequence 2289, Ap
c 321	13.4	0.9	17	1	US-10-287-949A-7201	Sequence 7201, Ap	c 394	12.8	0.8	17	1	US-09-866-108-2301	Sequence 2301, Ap
c 322	13.4	0.9	17	1	US-10-287-949A-8515	Sequence 8515, Ap	c 395	12.8	0.8	17	1	US-09-866-108-6545	Sequence 6545, Ap
c 323	13.4	0.9	17	1	US-10-287-949A-8515	Sequence 8515, Ap	c 396	12.8	0.8	17	1	US-09-866-108-6546	Sequence 6546, Ap
c 324	13.4	0.9	17	1	US-10-712-672-1212	Sequence 1212, Ap	c 397	12.8	0.8	17	1	US-09-866-108-6515	Sequence 6515, Ap
c 325	13.4	0.9	17	1	US-10-712-672-2128	Sequence 2128, Ap	c 398	12.8	0.8	17	1	US-09-866-108-6917	Sequence 6917, Ap

Patent No. 5312912
 Patent No. 5463025
 Sequence 11, Appl
 Sequence 5, Appl
 Sequence 191-5
 Sequence 5660, Ap
 Sequence 8965, Ap
 Sequence 54, Appl
 Sequence 95, Appl
 Sequence 66, Appl
 Sequence 15, Appl
 Sequence 738, App
 Sequence 739, App
 Sequence 1771, Ap
 Sequence 1772, Ap
 Sequence 66, Appl
 Sequence 738, App
 Sequence 739, App
 Sequence 1771, Ap
 Sequence 1772, Ap
 Sequence 6, Appl
 Sequence 6, Appl
 Sequence 397, App
 Sequence 7, Appl
 Sequence 7, Appl
 Sequence 7, Appl

ALIGNMENTS

US-09-165-042-25
 ; Sequence 25, Application US/09165042
 ; Patent No. 6100077
 ; GENERAL INFORMATION:
 ; APPLICANT: Sturley, Stephen L.
 ; APPLICANT: Oelkers, Peter
 ; TITLE OF INVENTION: ISOLATION OF A GENE ENCODING DIACYLGLYCEROL
 ; FILE REFERENCE: 0575/56331
 ; CURRENT APPLICATION NUMBER: US/09/165,042
 ; CURRENT FILING DATE: 1998-10-01
 ; NUMBER OF SEQ ID NOS: 32
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 25
 ; LENGTH: 25
 ; TYPE: DNA
 ; ORGANISM: human
 ; US-09-165-042-25

Query Match 1.5%; Score 24; DB 1; Length 25;
 Best Local Similarity 100.0%; Pred. No. 2.6;
 Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1047 CATGCTGCTCTCATCTTCTTGC 1070
 Db 1 CATGCTGCTCTCATCTTCTTGC 24

RESULT 2
 US-09-165-042-30
 ; Sequence 30, Application US/09165042
 ; Patent No. 6100077
 ; GENERAL INFORMATION:
 ; APPLICANT: Sturley, Stephen L.
 ; APPLICANT: Oelkers, Peter
 ; TITLE OF INVENTION: ISOLATION OF A GENE ENCODING DIACYLGLYCEROL
 ; FILE REFERENCE: 0575/56331
 ; CURRENT APPLICATION NUMBER: US/09/165,042
 ; CURRENT FILING DATE: 1998-10-01

NUMBER OF SEQ ID NOS: 32
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 30
 ; LENGTH: 23
 ; TYPE: DNA
 ; ORGANISM: human
 ; US-09-165-042-30

Query Match 1.5%; Score 23; DB 1; Length 23;
 Best Local Similarity 100.0%; Pred. No. 3.4;
 Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1539 GACACCTCGATCTTGCTCTGCC 1561
 Db 1 GACACCTCGATCTTGCTCTGCC 23

RESULT 3
 US-09-304-232-370
 ; Sequence 370, Application US/09304232
 ; Patent No. 6525185
 ; GENERAL INFORMATION:
 ; APPLICANT: Fan, Jian Bing
 ; APPLICANT: Chakravarti, Aravinda
 ; APPLICANT: Halushka, Marc Kenneth
 ; APPLICANT: Case Western Reserve University School of Medicine
 ; APPLICANT: Affymetrix, Inc.
 ; TITLE OF INVENTION: Polymorphisms Associated With
 ; TITLE OF INVENTION: Hypertension
 ; FILE REFERENCE: 018547-03421005
 ; CURRENT APPLICATION NUMBER: US/09/304,232
 ; CURRENT FILING DATE: 1999-05-03
 ; EARLIER APPLICATION NUMBER: US 60/084,641
 ; EARLIER FILING DATE: 1998-05-07
 ; NUMBER OF SEQ ID NOS: 909
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 370
 ; LENGTH: 29
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: CYP11B2EX3 138
 ; US-09-304-232-370

Query Match 1.4%; Score 21.8; DB 1; Length 29;
 Best Local Similarity 85.2%; Pred. No. 9.9;
 Matches 23; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 889 GTGCCCAAGAACTTGTCCAGGCCCTG 915
 Db 1 GTGCCCAAGAACTTGTCCAGGCCCTG 27

RESULT 4
 US-08-985-162-1097/c
 ; Sequence 1097, Application US/08985162
 ; Patent No. 6057156
 ; GENERAL INFORMATION:
 ; APPLICANT: Akhtar, Saghir
 ; APPLICANT: Fell, Patricia
 ; APPLICANT: McSwiggen, James
 ; TITLE OF INVENTION: ENZYMAIC NUCLEIC ACID TREATMENT
 ; TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
 ; TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
 ; TITLE OF INVENTION: FACTOR RECEPTORS
 ; NUMBER OF SEQUENCES: 1877
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; CITY: Suite 4700
 ; STATE: Los Angeles
 ; COUNTRY: U.S.A.

C 107	13.8	0.9	17	1	US-09-866-108A-2299	Sequence 2299, Ap	180	12.8	0.8	17	1	US-09-371-772B-4768	Sequence 4768, Ap
C 108	13.8	0.9	17	1	US-09-866-108A-2300	Sequence 2300, Ap	181	12.8	0.8	17	1	US-09-371-772B-4769	Sequence 4769, Ap
C 109	13.8	0.9	17	1	US-09-866-108A-6916	Sequence 6916, Ap	182	12.8	0.8	17	1	US-09-371-772B-4785	Sequence 4785, Ap
C 110	13.8	0.9	17	1	US-09-866-108A-9024	Sequence 9024, Ap	183	12.8	0.8	17	1	US-09-371-772B-4786	Sequence 4786, Ap
C 111	13.8	0.9	17	1	US-09-866-108A-10673	Sequence 10673, A	184	12.8	0.8	17	1	US-09-371-772B-5375	Sequence 5375, Ap
C 112	13.8	0.9	17	1	US-09-866-108A-10674	Sequence 10674, A	185	12.8	0.8	17	1	US-09-371-772B-6490	Sequence 6490, Ap
C 113	13.8	0.9	17	1	PCT-US91-01750-12	Sequence 12, Appl	186	12.8	0.8	17	1	US-09-371-772B-6491	Sequence 6491, Ap
C 114	13.8	0.9	17	1	537307-2	Patent No. 537307	187	12.8	0.8	17	1	US-09-371-772B-6666	Sequence 6666, Ap
C 115	13.8	0.9	17	1	US-08-805-918-34	Sequence 34, Appl	188	12.8	0.8	17	1	US-09-371-772B-6666	Sequence 1, Appl
C 116	13.8	0.9	18	1	US-08-805-918-35	Sequence 35, Appl	189	12.8	0.8	17	1	US-09-476-387-447	Sequence 447, App
C 117	13.8	0.9	18	1	US-08-811-028-22	Sequence 22, Appl	190	12.8	0.8	17	1	US-09-827-998-755	Sequence 755, App
C 118	13.8	0.9	18	1	US-08-811-028-23	Sequence 23, Appl	191	12.8	0.8	17	1	US-09-827-998-756	Sequence 756, App
C 119	13.8	0.9	18	1	US-08-978-458-5	Sequence 5, Appl	192	12.8	0.8	17	1	US-09-827-998-759	Sequence 759, App
C 120	13.8	0.9	18	1	US-09-161-443-18	Sequence 18, Appl	193	12.8	0.8	17	1	US-09-827-998-762	Sequence 762, App
C 121	13.8	0.9	18	1	US-09-161-443-19	Sequence 19, Appl	194	12.8	0.8	17	1	US-09-866-108A-434	Sequence 434, App
C 122	13.8	0.9	18	1	US-09-792-594-5	Sequence 5, Appl	195	12.8	0.8	17	1	US-09-866-108A-435	Sequence 435, App
C 123	13.8	0.9	18	1	US-08-808-254-1	Sequence 1, Appl	196	12.8	0.8	17	1	US-09-866-108A-930	Sequence 930, App
C 124	13.8	0.9	18	1	US-09-920-760-10	Sequence 10, Appl	197	12.8	0.8	17	1	US-09-866-108A-932	Sequence 932, App
C 125	13.8	0.9	18	1	US-09-422-978-7807	Sequence 7807, Ap	198	12.8	0.8	17	1	US-09-866-108A-1200	Sequence 1200, Ap
C 126	13.8	0.9	20	1	US-09-422-978-11445	Sequence 11445, A	199	12.8	0.8	17	1	US-09-866-108A-1201	Sequence 1201, Ap
C 127	13.8	0.9	20	1	US-09-689-012-9	Sequence 9, Appl	200	12.8	0.8	17	1	US-09-866-108A-1416	Sequence 1416, Ap
C 128	13.4	0.9	15	1	US-08-363-240A-534	Sequence 534, App	201	12.8	0.8	17	1	US-09-866-108A-1417	Sequence 1417, Ap
C 129	13.4	0.9	16	1	US-09-371-772B-5661	Sequence 5661, Ap	202	12.8	0.8	17	1	US-09-866-108A-1535	Sequence 1535, Ap
C 130	13.4	0.9	16	1	US-09-479-005A-53	Sequence 53, Appl	203	12.8	0.8	17	1	US-09-866-108A-1537	Sequence 1537, Ap
C 131	13.4	0.9	17	1	US-08-985-162-370	Sequence 370, App	204	12.8	0.8	17	1	US-09-866-108A-1646	Sequence 1646, Ap
C 132	13.4	0.9	17	1	US-08-584-040-3404	Sequence 2404, Ap	205	12.8	0.8	17	1	US-09-866-108A-1648	Sequence 1648, Ap
C 133	13.4	0.9	17	1	US-08-584-040-4361	Sequence 4361, Ap	206	12.8	0.8	17	1	US-09-866-108A-2289	Sequence 2289, Ap
C 134	13.4	0.9	17	1	US-08-584-040-4362	Sequence 4362, Ap	207	12.8	0.8	17	1	US-09-866-108A-2301	Sequence 2301, Ap
C 135	13.4	0.9	17	1	US-09-371-772B-949	Sequence 949, App	208	12.8	0.8	17	1	US-09-866-108A-6545	Sequence 6545, Ap
C 136	13.4	0.9	17	1	US-09-371-772B-2128	Sequence 2128, Ap	209	12.8	0.8	17	1	US-09-866-108A-6546	Sequence 6546, Ap
C 137	13.4	0.9	17	1	US-09-371-772B-2129	Sequence 2129, Ap	210	12.8	0.8	17	1	US-09-866-108A-6915	Sequence 6915, Ap
C 138	13.4	0.9	17	1	US-09-371-772B-4663	Sequence 4663, Ap	211	12.8	0.8	17	1	US-09-866-108A-6917	Sequence 6917, Ap
C 139	13.4	0.9	17	1	US-09-371-772B-5311	Sequence 5311, Ap	212	12.8	0.8	17	1	US-09-866-108A-7706	Sequence 7706, Ap
C 140	13.4	0.9	17	1	US-09-401-063-370	Sequence 370, App	213	12.8	0.8	17	1	US-09-866-108A-7707	Sequence 7707, Ap
C 141	13.4	0.9	17	1	US-09-865-108A-6623	Sequence 6623, Ap	214	12.8	0.8	17	1	US-09-866-108A-8327	Sequence 8327, Ap
C 142	13.4	0.9	17	1	US-09-865-108A-6630	Sequence 6630, Ap	215	12.8	0.8	17	1	US-09-866-108A-8328	Sequence 8328, Ap
C 143	13.4	0.9	17	1	US-09-865-108A-10675	Sequence 10675, A	216	12.8	0.8	17	1	US-09-866-108A-8351	Sequence 8351, Ap
C 144	13.4	0.9	17	1	US-09-865-108A-10676	Sequence 10676, A	217	12.8	0.8	17	1	US-09-866-108A-8352	Sequence 8352, Ap
C 145	13.4	0.9	17	1	US-09-404-932-100	Sequence 100, App	218	12.8	0.8	17	1	US-09-866-108A-8361	Sequence 8361, Ap
C 146	13.4	0.9	20	1	US-09-490-692-109	Sequence 109, App	219	12.8	0.8	17	1	US-09-866-108A-8362	Sequence 8362, Ap
C 147	13.2	0.8	17	1	US-08-685-558A-17	Sequence 17, Appl	220	12.8	0.8	17	1	US-09-866-108A-8928	Sequence 8928, Ap
C 148	13.2	0.8	17	1	US-09-765-449-17	Sequence 17, Appl	221	12.8	0.8	17	1	US-09-866-108A-8929	Sequence 8929, Ap
C 149	13	0.8	17	1	US-08-759-306-53	Sequence 53, Appl	222	12.8	0.8	17	1	US-09-866-108A-9020	Sequence 9020, Ap
C 150	13	0.8	17	1	US-08-584-040-3741	Sequence 3741, Ap	223	12.8	0.8	17	1	US-09-866-108A-9021	Sequence 9021, Ap
C 151	13	0.8	17	1	US-09-474-432B-457	Sequence 457, App	224	12.8	0.8	17	1	US-09-866-108A-9023	Sequence 9023, Ap
C 152	13	0.8	17	1	US-09-535-012A-17	Sequence 17, Appl	225	12.8	0.8	17	1	US-09-866-108A-9025	Sequence 9025, Ap
C 153	13	0.8	17	1	US-09-371-772B-1508	Sequence 1508, Ap	226	12.8	0.8	17	1	US-09-866-108A-9829	Sequence 9829, Ap
C 154	13	0.8	17	1	US-09-476-387-456	Sequence 456, App	227	12.8	0.8	17	1	US-09-866-108A-9830	Sequence 9830, Ap
C 155	13	0.8	29	1	US-09-304-232-370	Sequence 370, App	228	12.8	0.8	17	1	US-09-866-108A-9830	Sequence 10672, A
C 156	12.8	0.8	16	1	US-09-527-030G-88	Sequence 88, Appl	229	12.8	0.8	17	1	5496924-10	Patent No. 5496924
C 157	12.8	0.8	16	1	US-09-060-299-439	Sequence 439, App	230	12.4	0.8	14	1	US-08-985-162-1812	Sequence 1812, Ap
C 158	12.8	0.8	16	1	US-09-402-923A-439	Sequence 439, App	231	12.4	0.8	14	1	US-09-504-132-11	Sequence 11, Appl
C 159	12.8	0.8	16	1	US-08-379-081B-284	Sequence 284, App	232	12.4	0.8	14	1	US-09-401-063-1812	Sequence 1812, Ap
C 160	12.8	0.8	17	1	US-08-390-850-455	Sequence 455, App	233	12.4	0.8	14	1	US-09-874-601-115	Sequence 115, App
C 161	12.8	0.8	17	1	US-08-379-078-284	Sequence 284, App	234	12.4	0.8	15	1	US-08-182-988A-139	Sequence 139, App
C 162	12.8	0.8	17	1	US-08-463-894-35	Sequence 35, Appl	235	12.4	0.8	15	1	US-08-774-306A-139	Sequence 139, App
C 163	12.8	0.8	17	1	US-08-435-634-455	Sequence 455, App	236	12.4	0.8	15	1	US-08-585-684B-855	Sequence 855, App
C 164	12.8	0.8	17	1	US-08-206-185-35	Sequence 35, Appl	237	12.4	0.8	15	1	US-08-585-684B-1398	Sequence 1398, Ap
C 165	12.8	0.8	17	1	US-08-766-677-5	Sequence 5, Appl	238	12.4	0.8	15	1	US-08-585-684B-1801	Sequence 1801, Ap
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C 168	12.8	0.8	17	1	US-08-292-620A-1973	Sequence 1973, Ap	241	12.4	0.8	15	1	US-09-064-156A-139	Sequence 139, App
C 169	12.8	0.8	17	1	US-08-843-951-5	Sequence 5, Appl	242	12.4	0.8	15	1	US-09-038-073-855	Sequence 855, App
C 170	12.8	0.8	17	1	US-08-544-381B-241	Sequence 241, App	243	12.4	0.8	15	1	US-09-038-073-1398	Sequence 1398, Ap
C 171	12.8	0.8	17	1	US-08-945-654-9	Sequence 9, Appl	244	12.4	0.8	15	1	US-09-038-073-1801	Sequence 1801, Ap
C 172	12.8	0.8	17	1	US-08-998-099-50	Sequence 50, Appl	245	12.4	0.8	15	1	US-09-038-073-1802	Sequence 1802, Ap
C 173	12.8	0.8	17	1	US-09-071-845-1675	Sequence 1675, Ap	246	12.4	0.8	15	1	US-09-038-073-1803	Sequence 1803, Ap
C 174	12.8	0.8	17	1	US-09-071-845-1692	Sequence 1692, Ap	247	12.4	0.8	15	1	US-09-038-073-1803	Sequence 60, Appl
C 175	12.8	0.8	17	1	US-09-071-845-1973	Sequence 1973, Ap	248	12.4	0.8	15	1	US-09-081-794C-60	Sequence 513, App
C 176	12.8	0.8	17	1	US-08-584-040-5681	Sequence 5681, Ap	249	12.4	0.8	15	1	US-09-474-432B-89	Sequence 89, Appl
C 177	12.8	0.8	17	1	US-09-270-140A-40	Sequence 40, Appl	250	12.4	0.8	15	1	US-09-476-387-89	Sequence 89, Appl
C 178	12.8	0.8	17	1	US-09-474-432B-448	Sequence 448, App	251	12.4	0.8	15	1	US-09-943-983C-60	Sequence 60, Appl
C 179	12.8	0.8	17	1	US-09-371-772B-2567	Sequence 2567, Ap	252	12.4	0.8	15	1		

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OM nucleic - nucleic search, using sw model

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(without alignments)
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Listing first 279 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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Sequence 109, Appl	1	US-09-490-632-109	20	1.0	15.2	C 37
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Sequence 171, Appl	1	US-09-676-610B-171	20	1.0	15	C 45
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418 13.4 0.9 17 1 ADL50726 Human PKR substrat
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422 13.4 0.9 17 1 ADN43647 Mutant cell identi
423 13.4 0.9 17 1 ADN45714 Mutant cell identi
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425 13.4 0.9 17 1 AAF73008 Human daxx inhibit
426 13.4 0.9 20 1 AAT04567 17-mer DNA probe f
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```

ALIGNMENTS

```

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AC ACC42398;
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DT 26-AUG-2003 (first entry)
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DE Human acyl CoA cholesterol acyltransferase-2 PCR probe.
XX
KW Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic;
KW antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism;
KW cholesterol metabolism; atherosclerosis; cardiovascular disease;
KW phosphorothioate; human; PCR; probe; ss.
XX
OS Homo sapiens.
XX
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FT FT /*mod_base= OTHER
FT FT /*note= "Labelled with FAM, fluorescent reporter dye"
FT modified_base 25
FT FT /*tag= b
FT FT /*mod_base= OTHER
FT FT /*note= "Labelled with TAMRA, quencher dye"
XX
PN WO2003011889-A2.
XX
PD 13-FEB-2003.
XX
PP 15-JUL-2002; 2002WO-US022746.
XX
PR 30-JUL-2001; 2001US-00918026.
XX
PA (ISIS-) ISIS PHARM INC.
XX
PI Crooke RM, Graham MJ, Lemonidis KM;

```

```

XX WPI; 2003-248145/24.
XX
XX New antisense oligonucleotides for modulating acyl CoA cholesterol
PT acyltransferase-2, e.g. for preventing or treating diseases associated
PT with abnormal lipid or cholesterol metabolism, atherosclerosis,
PT cardiovascular disease.
XX
XX Example 13; Page 85; 112pp; English.
XX
XX The present invention relates to novel antisense oligonucleotides which
CC are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2)
CC nucleotide sequence (ACC42409-ACC42431), and mouse ACAT-2 (ACC42432-
CC ACC42457). The antisense oligonucleotides specifically hybridize with and
CC inhibit the expression of ACAT-2 nucleotide sequences (ACC42395 and
CC ACC42402). ACAT enzymes catalyse the synthesis of cholesterol esters from
CC free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are
CC useful for treating an animal which has a disease or condition associated
CC with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a
CC condition involving abnormal cholesterol metabolism, atherosclerosis, or
CC cardiovascular disease. The present sequence is a PCR probe for human
CC ACAT-2, used in an example from the invention
XX
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Query Match 1.6%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred.No. 2.5;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 CTACGTGTATCAGGATGGCTGCGG 25
RESULT 2
AAA76178
ID AAA76178 standard; DNA; 25 BP.
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AC AAA76178;
XX
DT 14-DEC-2000 (first entry)
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KW acyl Coenzyme A-cholesterol acyltransferase 1; ACAT1;
KW sterol esterification; lipid homeostasis; diacylglycerol acyltransferase;
KW DGAT; PCR primer; ss.
XX
OS Homo sapiens.
XX
PN US6100077-A.
XX
PD 08-AUG-2000.
XX
PP 01-OCT-1998; 98US-00165042.
XX
PR 01-OCT-1998; 98US-00165042.
XX
PA (UYCO ) UNIV COLUMBIA NEW YORK.
XX
PI Sturley SL, Oelkers P;
XX
XX WPI; 2000-557622/51.
XX
XX New nucleic acid encoding a human diacylglycerol acyltransferase, useful
PT for treating hyperlipidemia, atherosclerosis, heart disease, or other
PT diseases associated with an imbalance of triglyceride levels.
XX
XX Disclosure; Col 17; 32pp; English.
XX
XX The enzyme acyl Coenzyme A-cholesterol acyltransferase 1 (ACAT1) mediates
CC sterol esterification, an important component of intracellular lipid

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c 256	13.8	0.9	17	1	AAQ44617	Human papillomavir	c 329	13.8	0.9	17	1	ADC03630	Human Na/H exchang
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c 267	13.8	0.9	17	1	AAV07186	Hammerhead ribozym	c 340	13.8	0.9	17	1	ADP46272	Extend primer 53 u
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c 269	13.8	0.9	17	1	AAV08686	Hammerhead ribozym	c 342	13.8	0.9	17	1	AAZ89760	Human R1P-1 antise
c 270	13.8	0.9	17	1	AAV08686	Hammerhead ribozym	c 343	13.8	0.9	17	1	AAZ89760	Human R1P-1 antise
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c 277	13.8	0.9	17	1	ABL46611	Human GRID NCH rib	c 350	13.8	0.9	17	1	AAH75401	Human DRD2 fragmen
c 278	13.8	0.9	17	1	ABN01544	Human GMPLP-1 17-m	c 351	13.8	0.9	17	1	ABL89040	HIV-1 related bind
c 279	13.8	0.9	17	1	ABN02298	Human GMPLP-1 17-m	c 352	13.8	0.9	17	1	ABL89040	Human genotyping P
c 280	13.8	0.9	17	1	ABN02303	Human GMPLP-1 17-m	c 353	13.8	0.9	17	1	ABG68853	Human ReoQ protein
c 281	13.8	0.9	17	1	ABN01682	Human GMPLP-1 17-m	c 354	13.8	0.9	17	1	ADG89548	Human matrilin-3 p
c 282	13.8	0.9	17	1	ABN02300	Human GMPLP-1 17-m	c 355	13.8	0.9	17	1	ACA60572	Antisense inhibiti
c 283	13.8	0.9	17	1	ABN01655	Human GMPLP-1 17-m	c 356	13.8	0.9	17	1	ACM06663	Human PCR primer S
c 284	13.8	0.9	17	1	ABN00939	Human GMPLP-1 17-m	c 357	13.8	0.9	17	1	ADH35262	Primer of the inve
c 285	13.8	0.9	17	1	ABN02299	Human GMPLP-1 17-m	c 358	13.8	0.9	17	1	ADJ53657	HBV probe #2. Hep
c 286	13.8	0.9	17	1	ABN02307	Human GMPLP-1 17-m	c 359	13.8	0.9	17	1	ADO43211	Vascular endotheli
c 287	13.8	0.9	17	1	ABN02306	Human GMPLP-1 17-m	c 360	13.8	0.9	17	1	ADO16557	4 synthetis-period
c 288	13.8	0.9	17	1	ABN10681	Human GMPLP-1 17-m	c 361	13.8	0.9	17	1	ADQ26322	Rhizomucor pusilly
c 289	13.8	0.9	17	1	ABN02932	Human GMPLP-1 17-m	c 362	13.8	0.9	17	1	AAZ40168	PCR primer for hum
c 290	13.8	0.9	17	1	ABN05824	Human GMPLP-1 17-m	c 363	13.6	0.9	15	1	AAZ40168	Colony stimulating
c 291	13.8	0.9	17	1	ABV85528	Human pp-GaTraase 1	c 364	13.6	0.9	15	1	ACC64682	Murine oligonucleo
c 292	13.8	0.9	17	1	AAAL48306	Human R1P2 DNA spe	c 365	13.4	0.9	15	1	AAQ28689	peIA target oligon
c 293	13.8	0.9	17	1	AAAD45173	Human R1P2 DNA spe	c 366	13.4	0.9	15	1	AAAT50174	Rabbit CETP HH rib
c 294	13.8	0.9	17	1	ABK17888	Human ERG hammerh	c 367	13.4	0.9	15	1	AAQ02509	Human CHM1R allele
c 295	13.8	0.9	17	1	ABK19143	Human ERG hammerh	c 368	13.4	0.9	15	1	AAAF6796	IGFBP3 oligonucleo
c 296	13.8	0.9	17	1	ABG75235	Human PAPP-Ea asso	c 369	13.4	0.9	15	1	AAAL45929	Murine dystrophin-
c 297	13.8	0.9	17	1	ABG75235	Human PAPP-Ea asso	c 370	13.4	0.9	15	1	ADH82534	PFHPV-encoding nuc
c 298	13.8	0.9	17	1	ABV89709	Human POSHL1 scann	c 371	13.4	0.9	15	1	ADH82534	Human cystic fibro
c 299	13.8	0.9	17	1	ABV90809	Human POSHL1 scann	c 372	13.4	0.9	15	1	ADH82534	Human cystic fibro
c 300	13.8	0.9	17	1	ACN03715	WNV Zincyme substr	c 373	13.4	0.9	15	1	ADH82534	Human spleen RNA a
c 301	13.8	0.9	17	1	ACN11548	WNV minus strand I	c 374	13.4	0.9	16	1	AAV06294	Human multidrug re
c 302	13.8	0.9	17	1	ACN00235	WNV Hammerhead Rib	c 375	13.4	0.9	16	1	ABG598344	Reverse Ag6832 RT-
c 303	13.8	0.9	17	1	ACN00234	WNV Hammerhead Rib	c 376	13.4	0.9	16	1	ADH40334	Human genomic CPG
c 304	13.8	0.9	17	1	ACN04525	WNV DNazyme substr	c 377	13.4	0.9	16	1	ADG38558	Half mini-zyme krm
c 305	13.8	0.9	17	1	ACN04525	WNV DNazyme substr	c 378	13.4	0.9	16	1	ADG38558	Human KDR VEGF rec
c 306	13.8	0.9	17	1	ABT35349	Tumour suppression	c 379	13.4	0.9	17	1	AAV71612	Human KDR VEGF rec
c 307	13.8	0.9	17	1	ABT35349	Tumour suppression	c 380	13.4	0.9	17	1	AAV71612	Human EGF-R target
c 308	13.8	0.9	17	1	ABT36432	Tumour suppression	c 381	13.4	0.9	17	1	AAV97590	Human EGF-R target
c 309	13.8	0.9	17	1	ABT36432	Tumour suppression	c 382	13.4	0.9	17	1	AAV97590	Integrin alpha 6 s
c 310	13.8	0.9	17	1	ABT34453	Tumour suppression	c 383	13.4	0.9	17	1	AAV93334	Human B-raf substr
c 311	13.8	0.9	17	1	ABT34453	Tumour suppression	c 384	13.4	0.9	17	1	AAV93334	Human B-raf substr
c 312	13.8	0.9	17	1	ACA06527	NFXB sub-unit modu	c 385	13.4	0.9	17	1	AAV93334	Hammerhead ribozym
c 313	13.8	0.9	17	1	ACA06527	NFXB sub-unit modu	c 386	13.4	0.9	17	1	AAV93334	Hammerhead ribozym
c 314	13.8	0.9	17	1	ACA06527	NFXB sub-unit modu	c 387	13.4	0.9	17	1	ABX02630	Human NOGO Hammerh
c 315	13.8	0.9	17	1	ACA06526	NFXB sub-unit modu	c 388	13.4	0.9	17	1	ABX02630	Human CD20 Hammerh
c 316	13.8	0.9	17	1	ADB04324	Human MDZ7 scannin	c 389	13.4	0.9	17	1	ABX03744	Human CD20 Ambery
c 317	13.8	0.9	17	1	ADB04324	Human MDZ7 scannin	c 390	13.4	0.9	17	1	ABX03744	Human CD20 Ambery
c 318	13.8	0.9	17	1	ADB04322	Human MDZ7 scannin	c 391	13.4	0.9	17	1	AAI68602	ICAM-1 triple heli
c 319	13.8	0.9	17	1	ADB04322	Human MDZ7 scannin	c 392	13.4	0.9	17	1	AAI68602	Human GDMPLP-1 17-m
c 320	13.8	0.9	17	1	ABQ81024	Plasmid pXL3675-re	c 393	13.4	0.9	17	1	ABN10663	Human GDMPLP-1 17-m
c 321	13.8	0.9	17	1	ABZ60036	Human K-Ras DNazym	c 394	13.4	0.9	17	1	ABN06631	Human GDMPLP-1 17-m
c 322	13.8	0.9	17	1	ABZ65137	Human HER2 DNazyme	c 395	13.4	0.9	17	1	ABN10668	Human GDMPLP-1 17-m
c 323	13.8	0.9	17	1	ABZ65137	Human H-Ras DNazyme	c 396	13.4	0.9	17	1	ABK24955	Porphyrin herbicid
c 324	13.8	0.9	17	1	ACC67350	Murine oligonucleo	c 397	13.4	0.9	17	1	ABK27023	Increased stearate
c 325	13.8	0.9	17	1	ACC65385	Murine oligonucleo	c 398	13.4	0.9	17	1	ABK27023	porphyric herbicid

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OM nucleic - nucleic search, using sw model

Run on: November 8, 2004, 12:48:20 ; Search time 7 Seconds

(without alignments)

3.506 Million cell updates/sec

Title: US-09-918-026A-3

Perfect score: 1569

Sequence: 1 atggagccagcgggggccg.....cttggtctgccaactag 1569

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 0.5

Searched: 426 seqs, 7822 residues

Total number of hits satisfying chosen parameters: 852

Minimum DB seq length: 8

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 428 summaries

Database : rng3.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	25	1.6	25	1	Human acyl CoA cho
2	24	1.5	25	1	Human ACAT Related
3	23	1.5	23	1	Human ACAT Related
4	21.8	1.4	29	1	Polymorphic fragment
5	21.2	1.4	27	1	Human EGF-R hammer
6	21	1.3	21	1	Human acyl CoA cho
7	20	1.3	20	1	Human acyl CoA:cho
8	20	1.3	20	1	Human acyl CoA:cho
9	20	1.3	20	1	Acyl CoA cholesterol
10	20	1.3	20	1	Acyl CoA cholesterol
11	20	1.3	20	1	Acyl CoA cholesterol
12	20	1.3	20	1	Acyl CoA cholesterol
13	20	1.3	20	1	Acyl CoA cholesterol
14	20	1.3	20	1	Acyl CoA cholesterol
15	20	1.3	20	1	Acyl CoA cholesterol
16	20	1.3	20	1	Acyl CoA cholesterol
17	20	1.3	20	1	Acyl CoA cholesterol
18	20	1.3	20	1	Acyl CoA cholesterol
19	20	1.3	20	1	Acyl CoA cholesterol
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21	20	1.3	20	1	Acyl CoA cholesterol
22	20	1.3	20	1	Acyl CoA cholesterol
23	20	1.3	20	1	Acyl CoA cholesterol
24	20	1.3	20	1	Acyl CoA cholesterol
25	20	1.3	20	1	Acyl CoA cholesterol
26	20	1.3	20	1	Acyl CoA cholesterol
27	20	1.3	20	1	Acyl CoA cholesterol
28	20	1.3	20	1	Acyl CoA cholesterol
29	20	1.3	20	1	Acyl CoA cholesterol
30	20	1.3	20	1	Acyl CoA cholesterol
31	20	1.3	20	1	Acyl CoA cholesterol
32	20	1.3	20	1	Acyl CoA cholesterol
33	20	1.3	20	1	Acyl CoA cholesterol

34	19.6	1.2	26	1	AAZ57362	Mouse acyl CoA:cho
35	19.2	1.2	24	1	ABT03549	Human Ath-1 gene P
36	19	1.2	20	1	ACC42450	Acyl CoA cholesterol
37	18.8	1.2	20	1	ADP12837	Renal cell carcinoma
38	18.4	1.2	20	1	ACC42444	Acyl CoA cholesterol
39	18.2	1.2	24	1	AAZ57361	Mouse acyl CoA:cho
40	18	1.1	18	1	ADL06682	Human 3T3 cell con
41	18	1.1	20	1	ABZ76973	Bovine DGAT PCR pr
42	18	1.1	20	1	ACC42404	Acyl CoA cholesterol
43	17.8	1.1	21	1	ACC42404	Mouse acyl CoA cho
44	17.4	1.1	21	1	AAZ49183	Porcine CD 151 cod
45	17	1.1	17	1	ACD51913	HBV inozyme subvir
46	17	1.1	17	1	ADMS8712	Hepatitis B virus
47	16.8	1.1	17	1	AAZ02911	PCR primer used to
48	16.8	1.1	20	1	ADC84458	Primer #2 used to
49	16.8	1.1	20	1	ACC42438	Acyl CoA cholesterol
50	16.8	1.1	20	1	ACC42439	Acyl CoA cholesterol
51	16.8	1.1	20	1	ACC42447	Acyl CoA cholesterol
52	16.8	1.1	20	1	ACC42453	Acyl CoA cholesterol
53	16.8	1.1	20	1	ACC42445	Acyl CoA cholesterol
54	16.8	1.1	20	1	ACC42456	Acyl CoA cholesterol
55	16.8	1.1	20	1	ADJ24468	Human endothelial
56	16.8	1.1	20	1	ADJ23788	Human endothelial
57	16.8	1.1	21	1	AAQ38666	PSODbetaMX10 5' e
58	16.8	1.1	21	1	AAQ54227	BSSL/CBL Exon 11 r
59	16.8	1.1	21	1	AAQ54227	SOD expression vec
60	16.4	1.0	19	1	ADL78868	Human HER2 (SGFR2)
61	16.4	1.0	19	1	ADL79117	Human HER2 (SGFR2)
62	16.4	1.0	20	1	AAZ77373	Human biallelic ma
63	16.2	1.0	21	1	AAA47648	Primer (Mkir) for
64	16.2	1.0	21	1	AAZ59335	Human gene single
65	16	1.0	17	1	ACD50543	HBV hammerhead rib
66	16	1.0	17	1	ADM58010	Hepatitis B virus
67	15.8	1.0	19	1	ADOL5078	Human PDGFR-target
68	15.8	1.0	19	1	ADOL4767	Human PDGFR-target
69	15.8	1.0	19	1	ADM94080	IGH tube D DH faml
70	15.8	1.0	20	1	AAV70046	Rat c-Fos protein
71	15.8	1.0	20	1	AAZ08761	Primer 1 to amplif
72	15.8	1.0	20	1	AAZ28055	Human interferon (
73	15.8	1.0	20	1	ADJ27315	Human chromosome 1
74	15.8	1.0	20	1	ABU43561	Human ribonuclease
75	15.8	1.0	20	1	ACC49211	Human oligonucleo
76	15.8	1.0	20	1	ABZ87090	Human interferon-e
77	15.8	1.0	20	1	ACA63127	Acyl CoA cholesterol
78	15.8	1.0	20	1	ACC42448	Human myosin X-der
79	15.8	1.0	20	1	ABD23320	Human P2X4 gene-sp
80	15.8	1.0	20	1	ADL81478	Human P2X4 gene-sp
81	15.8	1.0	20	1	ADL81413	Primer of the inve
82	15.8	1.0	20	1	ADK98139	Human endothelial
83	15.8	1.0	20	1	ADJ23947	Human endothelial
84	15.8	1.0	20	1	ADJ23665	Human Notch (Dros
85	15.8	1.0	20	1	AAZ09362	Human biallelic po
86	15.8	1.0	21	1	AAZ82780	Human edge PCR pri
87	15.8	1.0	21	1	AAZ97388	Human gene single
88	15.8	1.0	21	1	ADU13905	Human DNA probe us
89	15.8	1.0	21	1	ADU13942	Human DNA probe us
90	15.4	1.0	17	1	AAZ71062	Human KDR VEGF rec
91	15.4	1.0	17	1	ABN06634	Human GMPLP-1 17-m
92	15.4	1.0	17	1	ABN06635	Human GMPLP-1 17-m
93	15.4	1.0	17	1	ABN06633	Human GMPLP-1 17-m
94	15.4	1.0	17	1	ABN06633	Human HER2 DNazyme
95	15.4	1.0	17	1	ABZ84677	Hiv-1 related bind
96	15.4	1.0	19	1	ABL89153	Hepatitis GB virus
97	15.4	1.0	20	1	AAT00065	Hepatitis GB virus
98	15.4	1.0	20	1	AAA55311	PCR primer for hum
99	15.4	1.0	20	1	AAZ40168	Human TSP1 domain
100	15.4	1.0	20	1	ABK70805	Human dual specifi
101	15.4	1.0	20	1	ABX10774	Acyl CoA cholesterol
102	15.4	1.0	20	1	ACC42435	Chimeric phosphoro
103	15.4	1.0	20	1	ADK73915	Chimeric phosphoro
104	15.4	1.0	20	1	ADK74127	Chimeric phosphoro
105	15.4	1.0	20	1	ADK74198	Chimeric phosphoro

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413	12.8	0.8	17	1	AR457523	ACCESSION:AR457523	486	12.8	0.8	17	1	AX634491	ACCESSION:AX634491
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447	12.8	0.8	17	1	AX214636	ACCESSION:AX214636	520	12.8	0.8	17	1	AX734575	ACCESSION:AX734575
448	12.8	0.8	17	1	AX215298	ACCESSION:AX215298	521	12.8	0.8	17	1	AX735159	ACCESSION:AX735159
449	12.8	0.8	17	1	AX215459	ACCESSION:AX215459	522	12.8	0.8	17	1	AX735383	ACCESSION:AX735383
450	12.8	0.8	17	1	AX215542	ACCESSION:AX215542	523	12.8	0.8	17	1	AX735386	ACCESSION:AX735386
451	12.8	0.8	17	1	AX217324	ACCESSION:AX217324	524	12.8	0.8	17	1	AX735688	ACCESSION:AX735688
452	12.8	0.8	17	1	AX217700	ACCESSION:AX217700	525	12.8	0.8	17	1	AX735736	ACCESSION:AX735736
453	12.8	0.8	17	1	AX217701	ACCESSION:AX217701	526	12.8	0.8	17	1	AX736290	ACCESSION:AX736290
454	12.8	0.8	17	1	AX217893	ACCESSION:AX217893	527	12.8	0.8	17	1	AX736619	ACCESSION:AX736619
455	12.8	0.8	17	1	AX217893	ACCESSION:AX217893	528	12.8	0.8	17	1	AX744074	ACCESSION:AX744074
456	12.8	0.8	17	1	AX264028	ACCESSION:AX264028	529	12.8	0.8	17	1	AX744075	ACCESSION:AX744075
457	12.8	0.8	17	1	AX264029	ACCESSION:AX264029	530	12.8	0.8	17	1	AX757324	ACCESSION:AX757324
458	12.8	0.8	17	1	AX272674	ACCESSION:AX272674	531	12.8	0.8	17	1	AX757876	ACCESSION:AX757876
459	12.8	0.8	17	1	AX272676	ACCESSION:AX272676	532	12.8	0.8	17	1	AX759336	ACCESSION:AX759336
460	12.8	0.8	17	1	AX273322	ACCESSION:AX273322	533	12.8	0.8	17	1	AX759623	ACCESSION:AX759623
461	12.8	0.8	17	1	AX273324	ACCESSION:AX273324	534	12.8	0.8	17	1	AX760112	ACCESSION:AX760112
462	12.8	0.8	17	1	AX421810	ACCESSION:AX421810	535	12.8	0.8	17	1	AX760633	ACCESSION:AX760633
463	12.8	0.8	17	1	AX422209	ACCESSION:AX422209	536	12.8	0.8	17	1	AX781902	ACCESSION:AX781902
464	12.8	0.8	17	1	AX422210	ACCESSION:AX422210	537	12.8	0.8	17	1	AX781903	ACCESSION:AX781903
465	12.8	0.8	17	1	AX422447	ACCESSION:AX422447	538	12.8	0.8	17	1	AX782025	ACCESSION:AX782025
466	12.8	0.8	17	1	AX423046	ACCESSION:AX423046	539	12.8	0.8	17	1	AX782027	ACCESSION:AX782027
467	12.8	0.8	17	1	AX499274	ACCESSION:AX499274	540	12.8	0.8	17	1	AX783600	ACCESSION:AX783600
468	12.8	0.8	17	1	AX499275	ACCESSION:AX499275	541	12.8	0.8	17	1	AX783601	ACCESSION:AX783601
469	12.8	0.8	17	1	AX530599	ACCESSION:AX530599	542	12.8	0.8	17	1	AX784077	ACCESSION:AX784077
470	12.8	0.8	17	1	AX530600	ACCESSION:AX530600	543	12.8	0.8	17	1	AX784078	ACCESSION:AX784078
471	12.8	0.8	17	1	AX530912	ACCESSION:AX530912	544	12.8	0.8	17	1	BD104108	ACCESSION:BD104108

253	13.4	0.9	17	1	AR327261	ACCESSION:AR327261	326	12.8	0.8	16	1	AX927967	ACCESSION:AX927967
254	13.4	0.9	17	1	AR327909	ACCESSION:AR327909	327	12.8	0.8	16	1	BD106392	ACCESSION:BD106392
255	13.4	0.9	17	1	AR402030	ACCESSION:AR402030	328	12.8	0.8	17	1	A10566	ACCESSION:A10566
256	13.4	0.9	17	1	AR462946	ACCESSION:AR462946	329	12.8	0.8	17	1	A29124	ACCESSION:A29124
257	13.4	0.9	17	1	AR462953	ACCESSION:AR462953	330	12.8	0.8	17	1	A57774	ACCESSION:A57774
258	13.4	0.9	17	1	AR466998	ACCESSION:AR466998	331	12.8	0.8	17	1	A80029	ACCESSION:A80029
259	13.4	0.9	17	1	AR466999	ACCESSION:AR466999	332	12.8	0.8	17	1	A80037	ACCESSION:A80037
260	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	333	12.8	0.8	17	1	AR051434	ACCESSION:AR051434
261	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	334	12.8	0.8	17	1	AR057471	ACCESSION:AR057471
262	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	335	12.8	0.8	17	1	AR057488	ACCESSION:AR057488
263	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	336	12.8	0.8	17	1	AR057769	ACCESSION:AR057769
264	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	337	12.8	0.8	17	1	AR068479	ACCESSION:AR068479
265	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	338	12.8	0.8	17	1	AR075758	ACCESSION:AR075758
266	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	339	12.8	0.8	17	1	AR115229	ACCESSION:AR115229
267	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	340	12.8	0.8	17	1	AR115246	ACCESSION:AR115246
268	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	341	12.8	0.8	17	1	AR115527	ACCESSION:AR115527
269	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	342	12.8	0.8	17	1	BD203013	ACCESSION:BD203013
270	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	343	12.8	0.8	17	1	BD203014	ACCESSION:BD203014
271	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	344	12.8	0.8	17	1	BD254404	ACCESSION:BD254404
272	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	345	12.8	0.8	17	1	BD254508	ACCESSION:BD254508
273	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	346	12.8	0.8	17	1	BD254777	ACCESSION:BD254777
274	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	347	12.8	0.8	17	1	BD259589	ACCESSION:BD259589
275	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	348	12.8	0.8	17	1	BD259352	ACCESSION:BD259352
276	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	349	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
277	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	350	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
278	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	351	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
279	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	352	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
280	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	353	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
281	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	354	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
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283	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	356	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
284	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	357	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
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287	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	360	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
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289	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	362	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
290	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	363	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
291	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	364	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
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293	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	366	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
294	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	367	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
295	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	368	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
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298	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	371	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
299	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	372	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
300	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	373	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
301	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	374	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
302	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	375	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
303	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	376	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
304	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	377	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
305	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	378	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
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307	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	380	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
308	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	381	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
309	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	382	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
310	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	383	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
311	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	384	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
312	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	385	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
313	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	386	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
314	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	387	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
315	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	388	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
316	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	389	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
317	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	390	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
318	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	391	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
319	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	392	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
320	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	393	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
321	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	394	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
322	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	395	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
323	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	396	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
324	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	397	12.8	0.8	17	1	BD259441	ACCESSION:BD259441
325	13.4	0.9	17	1	AR482654	ACCESSION:AR482654	398	12.8	0.8	17	1	BD259441	ACCESSION:BD259441

107	14.4	0.9	18	1	BD224907	ACCESSION:BD224907	C 180	13.8	0.9	17	1	AR458622	ACCESSION:AR458622
108	14.4	0.9	18	1	BD224994	ACCESSION:BD224994	C 181	13.8	0.9	17	1	AR458623	ACCESSION:AR458623
109	14.4	0.9	18	1	AR189867	ACCESSION:AR189867	C 182	13.8	0.9	17	1	AR463239	ACCESSION:AR463239
110	14.4	0.9	18	1	AR211129	ACCESSION:AR211129	C 183	13.8	0.9	17	1	AR463347	ACCESSION:AR463347
111	14.4	0.9	18	1	AR211216	ACCESSION:AR211216	C 184	13.8	0.9	17	1	AR466996	ACCESSION:AR466996
112	14.4	0.9	18	1	AR324766	ACCESSION:AR324766	C 185	13.8	0.9	17	1	AR466997	ACCESSION:AR466997
113	14.4	0.9	18	1	AX599746	ACCESSION:AX599746	C 186	13.8	0.9	17	1	AX214637	ACCESSION:AX214637
114	14.4	0.9	18	1	BD075564	ACCESSION:BD075564	C 187	13.8	0.9	17	1	AX215297	ACCESSION:AX215297
115	14.4	0.9	18	1	BD172424	ACCESSION:BD172424	C 188	13.8	0.9	17	1	AX215722	ACCESSION:AX215722
116	14.4	0.9	18	1	BD172743	ACCESSION:BD172743	C 189	13.8	0.9	17	1	AX217699	ACCESSION:AX217699
117	14.4	0.9	18	1	BD173062	ACCESSION:BD173062	C 190	13.8	0.9	17	1	AX272675	ACCESSION:AX272675
118	14.4	0.9	18	1	BD173381	ACCESSION:BD173381	C 191	13.8	0.9	17	1	AX273323	ACCESSION:AX273323
119	14.4	0.9	19	1	AX132345	ACCESSION:AX132345	C 192	13.8	0.9	17	1	AX422199	ACCESSION:AX422199
120	14.4	0.9	15	1	AX587022	ACCESSION:AX587022	C 193	13.8	0.9	17	1	AX423454	ACCESSION:AX423454
121	14.4	0.9	17	1	BD200566	ACCESSION:BD200566	C 194	13.8	0.9	17	1	AX530913	ACCESSION:AX530913
122	14.4	0.9	17	1	AR328723	ACCESSION:AR328723	C 195	13.8	0.9	17	1	AX532013	ACCESSION:AX532013
123	14.4	0.9	17	1	AR328724	ACCESSION:AR328724	C 196	13.8	0.9	17	1	AX544708	ACCESSION:AX544708
124	14.4	0.9	17	1	AX750950	ACCESSION:AX750950	C 197	13.8	0.9	17	1	AX615330	ACCESSION:AX615330
125	14.4	0.9	17	1	AX750954	ACCESSION:AX750954	C 198	13.8	0.9	17	1	AX648277	ACCESSION:AX648277
126	14.4	0.9	18	1	IG9013	ACCESSION:IG9013	C 199	13.8	0.9	17	1	AX648278	ACCESSION:AX648278
127	14.4	0.9	18	1	AR253611	ACCESSION:AR253611	C 200	13.8	0.9	17	1	AX692476	ACCESSION:AX692476
128	14.4	0.9	18	1	AX596666	ACCESSION:AX596666	C 201	13.8	0.9	17	1	AX692477	ACCESSION:AX692477
129	13.8	0.9	17	1	AR016864	ACCESSION:AR016864	C 202	13.8	0.9	17	1	AX692478	ACCESSION:AX692478
130	13.8	0.9	17	1	AR020890	ACCESSION:AR020890	C 203	13.8	0.9	17	1	AX692479	ACCESSION:AX692479
131	13.8	0.9	17	1	AR027213	ACCESSION:AR027213	C 204	13.8	0.9	17	1	AX722850	ACCESSION:AX722850
132	13.8	0.9	17	1	AR038500	ACCESSION:AR038500	C 205	13.8	0.9	17	1	AX724945	ACCESSION:AX724945
133	13.8	0.9	17	1	AR064642	ACCESSION:AR064642	C 206	13.8	0.9	17	1	AX727110	ACCESSION:AX727110
134	13.8	0.9	17	1	AR067567	ACCESSION:AR067567	C 207	13.8	0.9	17	1	AX728456	ACCESSION:AX728456
135	13.8	0.9	17	1	BD199056	ACCESSION:BD199056	C 208	13.8	0.9	17	1	AX729352	ACCESSION:AX729352
136	13.8	0.9	17	1	BD254598	ACCESSION:BD254598	C 209	13.8	0.9	17	1	AX730435	ACCESSION:AX730435
137	13.8	0.9	17	1	BD254884	ACCESSION:BD254884	C 210	13.8	0.9	17	1	AX730461	ACCESSION:AX730461
138	13.8	0.9	17	1	BD259384	ACCESSION:BD259384	C 211	13.8	0.9	17	1	AX730557	ACCESSION:AX730557
139	13.8	0.9	17	1	BD259385	ACCESSION:BD259385	C 212	13.8	0.9	17	1	AX733457	ACCESSION:AX733457
140	13.8	0.9	17	1	CQ616191	ACCESSION:CQ616191	C 213	13.8	0.9	17	1	AX736028	ACCESSION:AX736028
141	13.8	0.9	17	1	CQ616907	ACCESSION:CQ616907	C 214	13.8	0.9	17	1	AX736725	ACCESSION:AX736725
142	13.8	0.9	17	1	CQ617550	ACCESSION:CQ617550	C 215	13.8	0.9	17	1	AX757242	ACCESSION:AX757242
143	13.8	0.9	17	1	CQ617551	ACCESSION:CQ617551	C 216	13.8	0.9	17	1	AX757362	ACCESSION:AX757362
144	13.8	0.9	17	1	CQ617552	ACCESSION:CQ617552	C 217	13.8	0.9	17	1	AX782026	ACCESSION:AX782026
145	13.8	0.9	17	1	CQ617553	ACCESSION:CQ617553	C 218	13.8	0.9	17	1	AX804462	ACCESSION:AX804462
146	13.8	0.9	17	1	CQ617554	ACCESSION:CQ617554	C 219	13.8	0.9	18	1	AR069548	ACCESSION:AR069548
147	13.8	0.9	17	1	CQ617555	ACCESSION:CQ617555	C 220	13.8	0.9	18	1	AR069549	ACCESSION:AR069549
148	13.8	0.9	17	1	CQ617556	ACCESSION:CQ617556	C 221	13.8	0.9	18	1	CQ830099	ACCESSION:CQ830099
149	13.8	0.9	17	1	CQ617557	ACCESSION:CQ617557	C 222	13.8	0.9	18	1	E15411	ACCESSION:E15411
150	13.8	0.9	17	1	CQ622176	ACCESSION:CQ622176	C 223	13.8	0.9	18	1	E15411	ACCESSION:E15411
151	13.8	0.9	17	1	CQ624284	ACCESSION:CQ624284	C 224	13.8	0.9	18	1	E15411	ACCESSION:E15411
152	13.8	0.9	17	1	CQ625933	ACCESSION:CQ625933	C 225	13.8	0.9	18	1	E15411	ACCESSION:E15411
153	13.8	0.9	17	1	CQ625934	ACCESSION:CQ625934	C 226	13.8	0.9	18	1	E15411	ACCESSION:E15411
154	13.8	0.9	17	1	I14228	ACCESSION:I14228	C 227	13.8	0.9	18	1	E15411	ACCESSION:E15411
155	13.8	0.9	17	1	I22686	ACCESSION:I22686	C 228	13.8	0.9	18	1	E15411	ACCESSION:E15411
156	13.8	0.9	17	1	I39519	ACCESSION:I39519	C 229	13.8	0.9	18	1	E15411	ACCESSION:E15411
157	13.8	0.9	17	1	I47511	ACCESSION:I47511	C 230	13.8	0.9	18	1	E15411	ACCESSION:E15411
158	13.8	0.9	17	1	I56994	ACCESSION:I56994	C 231	13.8	0.9	18	1	E15411	ACCESSION:E15411
159	13.8	0.9	17	1	I59860	ACCESSION:I59860	C 232	13.8	0.9	18	1	E15411	ACCESSION:E15411
160	13.8	0.9	17	1	I75187	ACCESSION:I75187	C 233	13.8	0.9	18	1	E15411	ACCESSION:E15411
161	13.8	0.9	17	1	AR188690	ACCESSION:AR188690	C 234	13.8	0.9	18	1	E15411	ACCESSION:E15411
162	13.8	0.9	17	1	AR192186	ACCESSION:AR192186	C 235	13.8	0.9	18	1	E15411	ACCESSION:E15411
163	13.8	0.9	17	1	AR221454	ACCESSION:AR221454	C 236	13.8	0.9	18	1	E15411	ACCESSION:E15411
164	13.8	0.9	17	1	AR286397	ACCESSION:AR286397	C 237	13.8	0.9	18	1	E15411	ACCESSION:E15411
165	13.8	0.9	17	1	AR324543	ACCESSION:AR324543	C 238	13.8	0.9	18	1	E15411	ACCESSION:E15411
166	13.8	0.9	17	1	AR326057	ACCESSION:AR326057	C 239	13.8	0.9	18	1	E15411	ACCESSION:E15411
167	13.8	0.9	17	1	AR362605	ACCESSION:AR362605	C 240	13.8	0.9	18	1	E15411	ACCESSION:E15411
168	13.8	0.9	17	1	AR398387	ACCESSION:AR398387	C 241	13.8	0.9	18	1	E15411	ACCESSION:E15411
169	13.8	0.9	17	1	AR409735	ACCESSION:AR409735	C 242	13.8	0.9	18	1	E15411	ACCESSION:E15411
170	13.8	0.9	17	1	AR434337	ACCESSION:AR434337	C 243	13.8	0.9	18	1	E15411	ACCESSION:E15411
171	13.8	0.9	17	1	AR434338	ACCESSION:AR434338	C 244	13.8	0.9	18	1	E15411	ACCESSION:E15411
172	13.8	0.9	17	1	AR457254	ACCESSION:AR457254	C 245	13.8	0.9	18	1	E15411	ACCESSION:E15411
173	13.8	0.9	17	1	AR457859	ACCESSION:AR457859	C 246	13.8	0.9	18	1	E15411	ACCESSION:E15411
174	13.8	0.9	17	1	AR457970	ACCESSION:AR457970	C 247	13.8	0.9	18	1	E15411	ACCESSION:E15411
175	13.8	0.9	17	1	AR458613	ACCESSION:AR458613	C 248	13.8	0.9	18	1	E15411	ACCESSION:E15411
176	13.8	0.9	17	1	AR458614	ACCESSION:AR458614	C 249	13.8	0.9	18	1	E15411	ACCESSION:E15411
177	13.8	0.9	17	1	AR458615	ACCESSION:AR458615	C 250	13.8	0.9	18	1	E15411	ACCESSION:E15411
178	13.8	0.9	17	1	AR458616	ACCESSION:AR458616	C 251	13.8	0.9	18	1	E15411	ACCESSION:E15411
179	13.8	0.9	17	1	AR458621	ACCESSION:AR458621	C 252	13.8	0.9	18	1	E15411	ACCESSION:E15411

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OM nucleic - nucleic search, using sw model

Run on: November 8, 2004, 12:46:08 ; Search time 8 Seconds

(without alignments)
3.717 Million cell updates/sec

Title: US-09-918-026A-3

Perfect score: 1569

Sequence: 1 atggagccagcggggccgcg.....cttggtccgtccatacctag 1569

Scoring table:

IDENTITY NUC

Gapop 10_0 , Gapext 0.5

Searched: 543 seqs, 9476 residues

Total number of hits satisfying chosen parameters: 1086

Minimum DB seq length: 8

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 545 summaries

Database : rge3.seq*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	21.2	1.4	27	1	AR462950
C 2	21.2	1.4	27	1	AR462951
C 3	20	1.3	20	1	BD068257
C 4	20	1.3	20	1	BD068258
C 5	19.6	1.2	26	1	AR344230
C 6	19.2	1.2	24	1	AR344231
C 7	18.2	1.2	24	1	AR344232
C 8	16.8	1.1	21	1	AR344233
C 9	16.8	1.1	21	1	AR344234
C 10	16.8	1.1	21	1	AR344235
C 11	16.4	1.0	20	1	AR344236
C 12	16.2	1.0	21	1	AR344237
C 13	15.8	1.0	19	1	AR344238
C 14	15.8	1.0	20	1	AR344239
C 15	15.8	1.0	20	1	AR344240
C 16	15.8	1.0	20	1	AR344241
C 17	15.8	1.0	20	1	AR344242
C 18	15.8	1.0	20	1	AR344243
C 19	15.8	1.0	20	1	AR344244
C 20	15.8	1.0	20	1	AR344245
C 21	15.8	1.0	20	1	AR344246
C 22	15.8	1.0	20	1	AR344247
C 23	15.4	1.0	17	1	AR344248
C 24	15.4	1.0	17	1	AR344249
C 25	15.4	1.0	17	1	AR344250
C 26	15.4	1.0	17	1	AR344251
C 27	15.4	1.0	17	1	AR344252
C 28	15.4	1.0	17	1	AR344253
C 29	15.4	1.0	17	1	AR344254
C 30	15.4	1.0	17	1	AR344255
C 31	15.4	1.0	17	1	AR344256
C 32	15.4	1.0	17	1	AR344257
C 33	15.4	1.0	17	1	AR344258

1	AR462950	1.0	17	1	AR462950
2	AR462951	1.0	17	1	AR462951
3	AX353169	1.0	19	1	AX353169
4	AX363014	1.0	19	1	AX363014
5	AR230366	1.0	20	1	AR230366
6	AR255958	1.0	20	1	AR255958
7	AR310061	1.0	20	1	AR310061
8	AR350473	1.0	20	1	AR350473
9	AR442660	1.0	20	1	AR442660
10	AR494207	1.0	20	1	AR494207
11	AR126680	1.0	20	1	AR126680
12	AR170934	1.0	20	1	AR170934
13	BD175122	1.0	20	1	BD175122
14	BD175245	1.0	20	1	BD175245
15	E40060	1.0	20	1	E40060
16	E40064	1.0	20	1	E40064
17	E40868	1.0	20	1	E40868
18	E40872	1.0	20	1	E40872
19	E43414	1.0	20	1	E43414
20	E43418	1.0	20	1	E43418
21	AR271778	1.0	20	1	AR271778
22	AR307931	1.0	20	1	AR307931
23	AX048825	1.0	20	1	AX048825
24	AX048869	1.0	20	1	AX048869
25	AX104256	1.0	20	1	AX104256
26	AX355378	1.0	20	1	AX355378
27	AX492927	1.0	20	1	AX492927
28	AX494234	1.0	20	1	AX494234
29	AX547309	1.0	20	1	AX547309
30	AX708702	1.0	20	1	AX708702
31	AX785133	1.0	20	1	AX785133
32	AX785134	1.0	20	1	AX785134
33	BD090167	1.0	20	1	BD090167
34	BD090597	1.0	20	1	BD090597
35	BD090601	1.0	20	1	BD090601
36	BD090706	1.0	20	1	BD090706
37	BD090710	1.0	20	1	BD090710
38	AR401804	1.0	17	1	AR401804
39	AX750951	1.0	17	1	AX750951
40	AX750952	1.0	17	1	AX750952
41	AX750953	1.0	17	1	AX750953
42	BD067304	1.0	18	1	BD067304
43	E25757	1.0	18	1	E25757
44	AR226108	1.0	20	1	AR226108
45	AR373782	1.0	20	1	AR373782
46	AR373782	1.0	20	1	AR373782
47	AR257452	1.0	18	1	AR257452
48	AR300309	1.0	19	1	AR300309
49	AX010849	1.0	19	1	AX010849
50	AX131096	1.0	19	1	AX131096
51	AX804983	1.0	19	1	AX804983
52	AX804986	1.0	19	1	AX804986
53	CQ617553	1.0	17	1	CQ617553
54	CQ617554	1.0	17	1	CQ617554
55	CQ617556	1.0	17	1	CQ617556
56	CQ617557	1.0	17	1	CQ617557
57	CQ621884	1.0	17	1	CQ621884
58	CQ621889	1.0	17	1	CQ621889
59	AR188323	1.0	17	1	AR188323
60	AR324176	1.0	17	1	AR324176
61	AR328722	1.0	17	1	AR328722
62	AR458616	1.0	17	1	AR458616
63	AR458617	1.0	17	1	AR458617
64	AR458619	1.0	17	1	AR458619
65	AR458620	1.0	17	1	AR458620
66	AR458620	1.0	17	1	AR458620
67	AR462947	1.0	17	1	AR462947
68	AR462952	1.0	17	1	AR462952
69	AX217761	1.0	17	1	AX217761
70	AX217762	1.0	17	1	AX217762
71	AX729077	1.0	17	1	AX729077
72	BD175415	1.0	18	1	BD175415